

Practice Flow math

The velocity in a 2 inch pipe is 0.75 fps. What is the flow?

$$Q = A \times V$$

$$Q = (.785 \times (2" \div 12") \times (2" \div 12")) \times 0.75 \text{ fps}$$

$$Q = .02 \text{ ft}^2 \times 0.75 \text{ fps}$$

$$Q = .015 \text{ ft}^3/\text{sec}$$